**In the claims:**

1. (currently amended)          A method of reducing fabrication errors at a manufacturing facility having a plurality of tools and ~~materials~~ <u>processes</u> comprising the steps of:

providing a certification database containing a record of certified user names and tools and /or ~~materials~~ <u>processes</u> the users are certified to use;

prohibiting access to said tools and/or materials unless the user is certified according to said record at said certification database;

said prohibiting step includes locking user access to said tools <u>and/</u>or ~~materials~~ <u>processes</u> until granting access according to said record and

providing <u>a training means with access for</u> certifying and recertifying of a <u>potential</u> user including ~~a training manager~~ providing a menu of tools and ~~materials~~ <u>processes</u> to be certified or recertified and providing means for selection of tools and ~~materials~~ <u>processes for the potential user</u> to be certified or recertified to use and providing a listing for selection of trainers who are in the ~~system~~ database to train <u>the potential user</u> to be certified or recertified.

2. (canceled)

3. (canceled)

4. (canceled)

5. (canceled)

6. (canceled)

7. (currently amended): A system for reducing fabrication errors at a manufacturing facility having a plurality of tools and ~~materials~~ processes comprising:

a certification database containing a record of certified user names and tools and/or ~~materials~~ processes the users are certified to use; ~~and~~

means for prohibiting access to said tools and / or ~~materials~~ processes unless the user is certified according to said record at said certification database, said prohibiting access means includes a certification server coupled to said database and said user access means for locking user access to said tools or ~~materials~~ processes until granting access according to said record;

~~a training manager~~ means for certifying and recertifying a potential user; ~~said training manager providing~~ including providing training access and providing a menu of tools and ~~materials~~ processes to be certified or recertified and means for selection of tools and processes and providing a listing of trainers for selection who are in the system to train before giving access to the tools or ~~materials~~ processes.

8. (canceled)

9. (canceled)

10. (canceled)

11. (canceled)

12. (canceled)

13. (canceled)

14. (canceled)

15. (canceled)

16. (currently amended) A system for reducing fabrication errors at a manufacturing facility having a plurality of tools and ~~materials~~ processes comprising:

a certification database containing a record of certified user names and tools and/or materials the users are certified to use;

means for prohibiting access to said tools and / or ~~materials~~ processes at a user access means unless the user is certified according to said record at said certification database, said prohibiting access means includes a certification server coupled to said database and said user access means for locking user access to said tools or ~~materials~~ processes until granting access according to said record;

~~a training manager~~ means for certifying and recertifying a potential user; ~~said training manager~~ including means for auditing a person to be a potential user; said auditing means including means for determining if the audit is a subform or a primary form where said subform addresses devices that use unique combinations/sequences of ~~log points~~ steps to build a device and operations on a tool; and if a primary form or subform means for determining if the audit is an initial certification or recertification.

17. (currently amended) The system of claim 16 wherein if the audit is a subform and is an initial certification means for determining if the minimum training time limit is passed on the primary form and if not terminating the audit and if the minimum time limit is passed determining if there is a prerequisite certification for this audit and if not performing the audit and if so determining if ~~the~~ a trainer has the required prerequisite and if not to terminate the audit and if so begin the audit.

18. (currently amended)          The system of claim 16 wherein if the audit is a subform and a recertification is to be performed determining if an audit is required for recertification and if not terminating the audit and if ~~recertification~~ an audit is required determining if the certification is locked in a table on a primary form and if so to terminate the audit and if not to begin the audit.

19. (currently amended)          The system of claim 16 wherein if the audit is a primary certification and is an initial certification determining if the minimum training time limit is passed and if not terminating the audit and if the minimum training time has passed determining if there is a prerequisite certification for this audit and if not performing the audit and if so determining if a trainer has the required prerequisite and if not to terminate the audit and if the trainer has the required prerequisite performing audit.

20. (previously presented)          The system of claim 16 wherein if the audit is a primary re-certification determining if an audit is required and if the audit is not required terminating the audit and if determining the audit is required determining if the certification is locked in a training table and if so to terminate the audit and if not to begin the audit.

21. (currently amended)          A method for reducing fabrication errors at a manufacturing facility having a plurality of tools and ~~materials~~ processes comprising: providing a certification database containing a record of certified user names and tools and/or materials the users are certified to use;

prohibiting access to said tools and / or ~~materials~~ unless the user is certified according to said record at said certification database;

auditing a person to be a user comprising the steps of determining if the audit is a subform or a primary form where said subform addresses devices that use unique combinations/sequences of ~~log points~~ steps to build a device and operations on a tool; and if a primary form or subform determining if the audit is an initial certification or recertification.

22. (previously presented)     The method of claim 21 wherein if the audit is a subform and an initial certification determining if the minimum training time limit is passed on the primary form and if not terminating the audit and if the minimum time limit is passed determining if there is a prerequisite certification for this audit and if not performing the audit and if so determining if the trainer has the required prerequisite and if not to terminate the audit and if so begin the audit.

23. (currently amended)     The method of claim 22 wherein if the audit is a subform and a recertification is to be performed determining if an audit is required for recertification and if not terminating the audit and if ~~recertification~~ an audit is required determining if the certification is locked in a table on a primary form and if so to terminate the audit and if not to begin the audit.

24. (previously presented)     The method of claim 21 wherein if the audit is a primary and an initial certification determining if the minimum training time limit is passed and if not terminating the audit and if the minimum training time has passed determining if there is a prerequisite certification for this audit and if not performing

the audit and if so determining if trainer has the required prerequisite and if not to terminate the audit and if the trainer has the required prerequisite performing audit.

In the specification:

Change paragraph 0018 as follows:

[0018]     Semiconductor Manufacturing System (SMS) 15 keeps track of a product. It contains a record of the product. It has the customer identification, device name, lot number and wafer identification. It records log points or steps to build the device and operations or subsets of the steps to build the device. It provides updates to a qualification database 17 which, in turn, provides daily SMS updates and qualification records to the auto-certification database 13. The updates include tool updates, material updates and user updates and certification updates and records.

Change paragraph 0019 as follows:

[0019]     Referring to Figure 2 there is illustrated the process. In Step 1 the operator scans the operators operator's badge and lot data information for the device being made at the tool or equipment location. The Super Service Bundle (SSB) associated with each automated system or tool defines the tool the user is working on and which material. The next Step 2 is the automation system such as System 1 inquires at the certification server 11 for qualification of the user for this type of system. In Step 3 the certification server 11 checks certification for the requested operator for which tools and log point operation. The server 11 checks which is the device type, log point or step to build the device and the operations which is the subsets of the step to build the device. In Step 4 the certification server replies to the automation. In Step 5 the server decides if there is a certification to use the tool. If the answer is "yes", certification is given and automation continues as usual in Step 6.

If the answer is "no" the system shows an error screen and warning not to process lot

at Steps 7 and 8 respectively and process with that user ends.